

Input: 1 0 0

States: {A} {A, B} {A, B, C}

end of string
and last set
of states has
an accepted state
Accepted

Input: 1 0 0 1

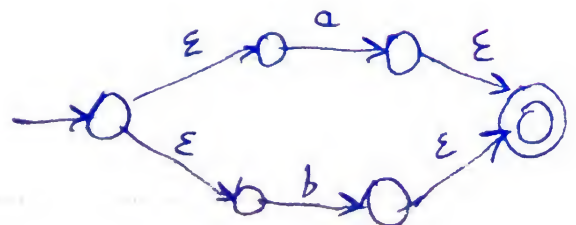
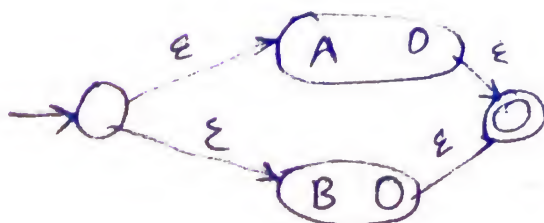
States: {A} {A, B} {A, B, C} {A}

end of string
and last set
has not an
accepted state
reject

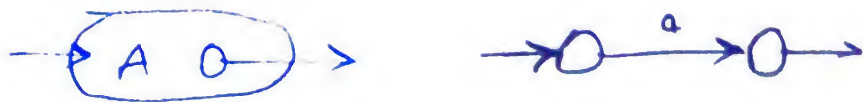
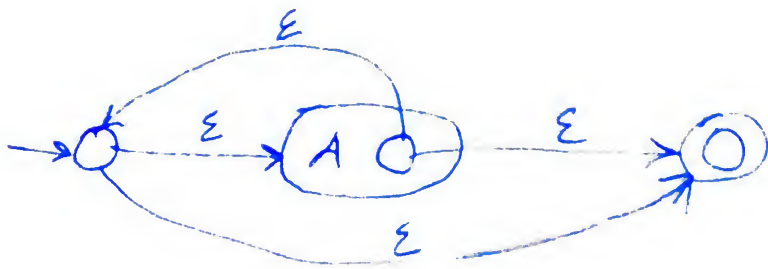
AB



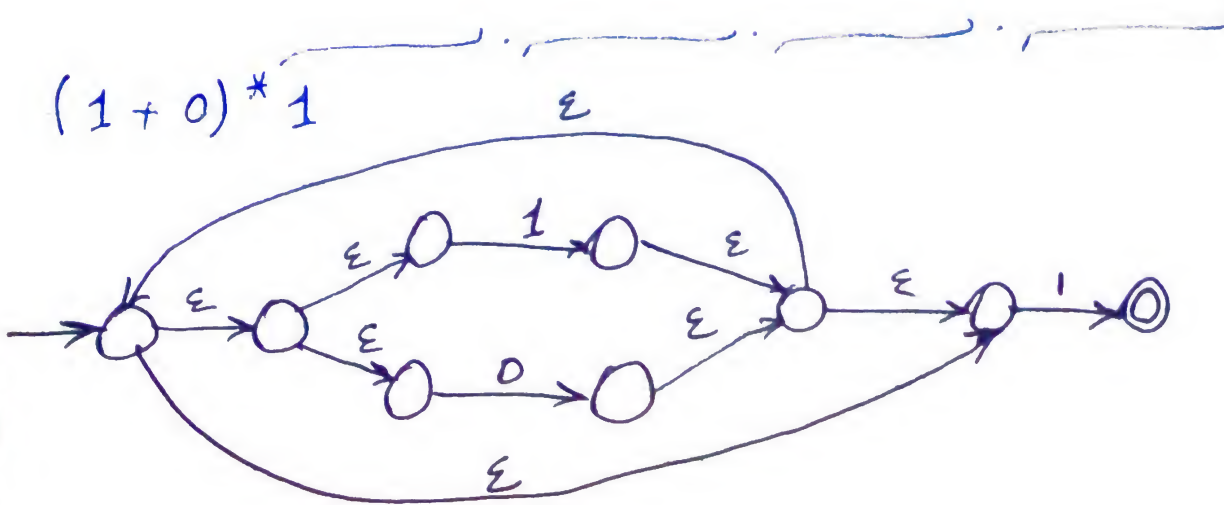
A + B



A^*



$(1+0)^* 1$



ϵ - Closure $\{S\}$

State or states that can be reached from the start state

Input string

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ϵ - closure $\{B\} = \{B, C, D\}$

ϵ - closure $\{G\} = \{G, H, I, A, B, C, D\} = X$

$\alpha(X)$

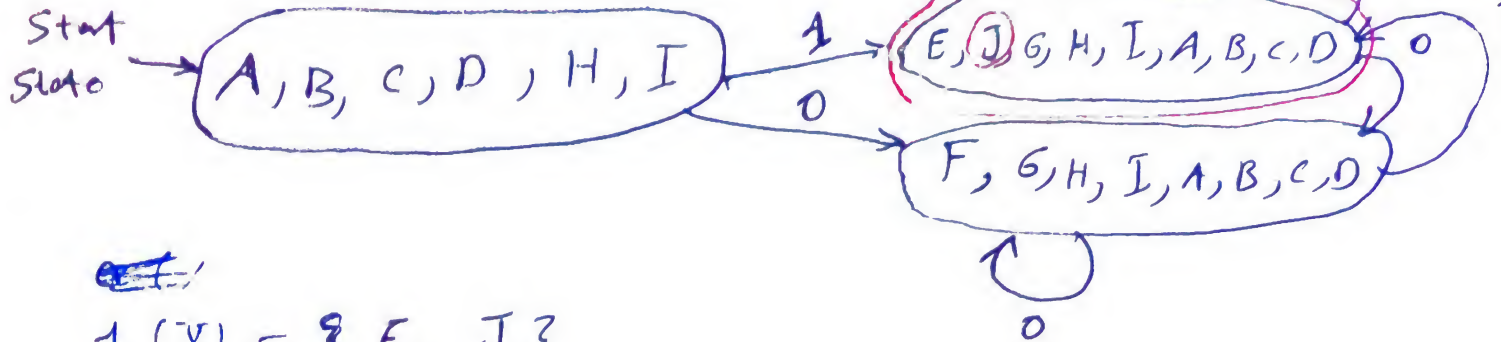
Transition matrix

$= \{y \mid x \in X \text{ and } x \xrightarrow{a} y\} = Y \rightarrow \epsilon\text{-closure } \{Y\}$

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Start state

$$X = \epsilon\text{-closure} \{A\} = \{A, B, C, D, H, I\}$$

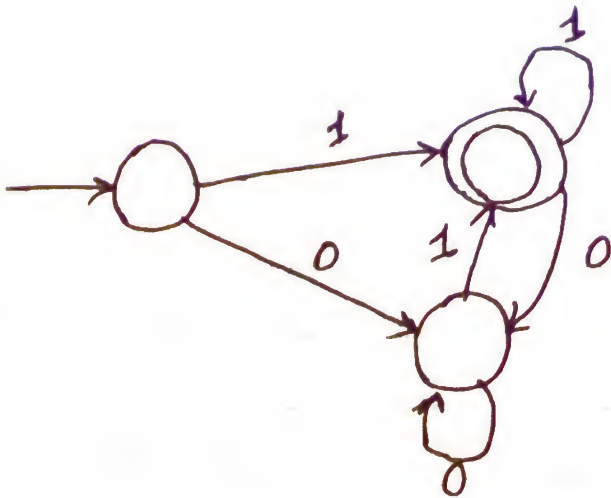


~~1~~

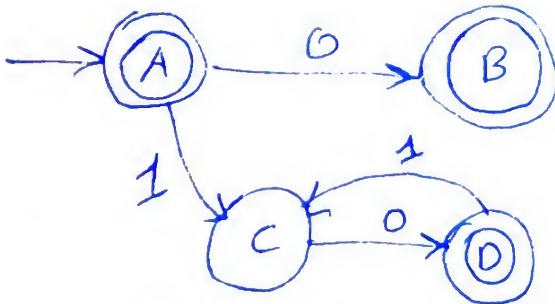
$$1(X) = \{E, J\}$$



$$\epsilon\text{-closure} \{E, J\} = \{E, J, G, H, I, A, B, C, D\}$$



$0 + \epsilon + (10)^*$



rows
States

	0	1
A	B	C
B		
C	D	
D		C

columns (input char)

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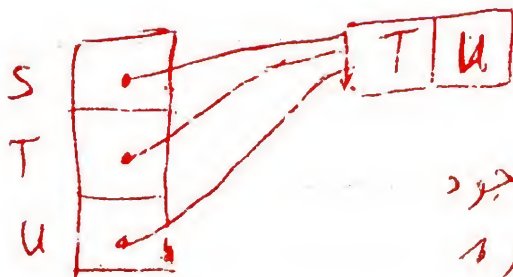
$i = 0;$ // index for input char

State = 0; // Index for states - start state

while (input[i])

{

State = T[State, input[i++]]



في حالة وجود
صغرى مكررة